

dis his full

L5

L6

(FILE 'HOME' ENTERED AT 09:35:01 ON 25 APR 2007)

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 09:36:18 ON 25 APR 2007

L1 99 SEA ABB=ON PLU=ON ALICYCLOBACILLUS AND PCR

L2 16 SEA ABB=ON PLU=ON L1 AND REAL-TIME

L3 7 DUP REM L2 (9 DUPLICATES REMOVED)

DIS 33 1-7 IBIB

DIS L3 2-7 IBIB

L4 13 SEA ABB=ON PLU=ON L1 AND TAQMAN

DIS L4 ALL IBIB

DIS L4 2-14 IBIB

51 SEA ABB=ON PLU=ON L1 AND 16S

22 DUP REM L5 (29 DUPLICATES REMOVED)

DIS L6 1-22 IBIB

FILE 'STNGUIDE' ENTERED AT 09:48:01 ON 25 APR 2007

FILE HOME

FILE MEDLINE

FILE LAST UPDATED: 24 Apr 2007 (20070424/UP). FILE COVERS 1950 TO DATE.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 18 April 2007 (20070418/ED)

FILE CAPLUS

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FILE COVERS 1907 - 25 Apr 2007 VOL 146 ISS 18 FILE LAST UPDATED: 24 Apr 2007 (20070424/ED)

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FILE EMBASE

FILE COVERS 1974 TO 24 Apr 2007 (20070424/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate

substance identification.

FILE SCISEARCH

FILE COVERS 1974 TO 19 Apr 2007 (20070419/ED)

SCISEARCH has been reloaded, see HELP RLOAD for details.

FILE AGRICOLA

FILE COVERS 1970 TO 3 Apr 2007 (20070403/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 20, 2007 (20070420/UP).

Segunce Alipaments.

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-	SS ribosomal RNA gene alignment
963F 1 16S 963	CCTTGACATGTCTAGAAGTTACCAGAGA 28
1076R 1	GCGGGACTTAACCCAACATCT 21
16s 107	6 GCGGGACTTAACCCAACATCT 1056
1030T 1	ACACGAGCTGACGACGGCCATG 22
16S 101	.1 ACACGAGCTGACGACGGCCATG 990
2. Sequenc	e alignments of 10/727261 SEQ ID NOs: 1, 2 and 4:
RESULT 9 (SEQ ID NO: 1) FORWARD PRIMER
Qy	1 GAGCCCGCGCGCATTAGC 19
Db	214 GAGCCCGCGCGCATTAGC 232
RESULT 27 ADW05721/c	(SEQ ID NO: 4) REVERSE PRIMER
Qy	1 GCTTGCGCCCATTGCG 16
Db	369 GCTTGCGCCCATTGCG 354
RESULT 76 ADW05721	(SEQ ID NO: 2) PROBE
Qу	1 GCGACGATGCGTAGCCG 17
Db	260 GCGACGATGCGTAGCCG 276

3. SEQ ID NO:78 (10/727/261) and Alicyclobacillus and Geobacillus rDNA alignments, and SEQ ID NOs: 1,2 and 4 alignments. See pages (2-9).

PubMed

Entrez

BLAST

OMIM

Taxonomy

Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.16 [Mar-25-2007]

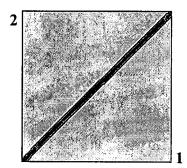
Match: 1 Mismatch: -2 gap open: 5 gap extension: 2	
x_dropoff: 0 expect: 10.0000 wordsize: 11 Filter View option	Standard
Masking character option X for protein, n for nucleotide Masking col	or option Black 🔀
☐ Show CDS translation Align	

Sequence 1: lcl|seq_1 Length = 1498 (1 .. 1498)

SEQ 10#48

Sequence 2: gi|18496336|dbj|AB042058.1|Alicyclobacillus acidoterrestris gene for 16S ribosomal RNA, partial sequence.

Length = 1514 (1 ... 1514)



NOTE:Bitscore and expect value are calculated based on the size of the nr database.

NOTE:If protein translation is reversed, please repeat the search with reverse strand of the query sequence.

Score = 2619 bits (1362), Expect = 0.0
Identities = 1450/1498 (96%), Gaps = 3/1498 (0%)
Strand=Plus/Plus

Query Sbjct	1	AGAGTTTGATCCTGGCTCAGGACGAACGCTGGCGGCGTGCCTAATACATGCAAGTCGAGC	60 60
Query	61	GGGCCCTTCGGGGCCAGCGGCGGACGGGTGAGTAACACGTGGGTAATCTGCCTTTCAGAC	120
Sbjct	61		120
Query	121	CGGAATAACGCCCGGAAACGGGTGCTAATGCCGGATANGCACGCGAGNAGGCATCTNCTT	180

Sbjct	121	TGGAATAACACTCGGAAACGGGTGCTAATGCCGGATAAT-ACACGGGTAGGCATCTACTT	179
Query	181	GCGGGGAAAGGTGCAANTGCATCGCTGAGAGAGAGCCCGCGGGCGCATTAGGTAGTTGGT	primer. 240
Sbjct	180	GTGTTGAAAGATGCAACTGCATCGCTGAGAGAGGAGCCCGCGGCGCATTAGCTAGTTGGT	239
Query	241	GGGGTAACGGCTCACCAAGGCGACGATGCGTAGCCGACCTGAGAGGGTGACCGGCCACAC	300
Sbjct	240		299
Query	301	TGGGACTGAGACACGGCCCAGACTCCTACGGGAGGCAGCAGTAGGGAATCTTCCGCAATG	360
Sbjct	300		359
Query	361	GGCGCAAGCCTGACGGAGCAACGCCGCGTGAGCGAAGAAGGCCTTCGGGTTGTAAAGCTC	# 4 Rever
Sbjct	360		419
Query	421	TGTTGCTCGGGGAGAGCGCCAAGGGGAGTGGAAAGCCCCTTGNGAGACGGTACCGAGTGA	480
Sbjct	420		479
Query	481	GGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTC	540
Sbjct	4,80		539
Query	541	CGGAATCACTGGGCGTAAAGCGTGCGTAGGCGGTTGNGTAAGTCTGGAGTGAAAGTCCAN	600
Sbjct	540		599
Query	601	GGCTCAACCNTGGGAATGCTTTGGAAACTGCNTGACTTGAGTGCTGGAGAGGCAAGGGGA	660
Sbjct	600		659
Query	661	ATTCCNCGTGTAGCGGTGNAATGCGTAGATATGTGGAGGAATACCAGTGGCGAANGCGCC	720
Sbjct	660	ATTCCACGTGTAGCGGTGAAATGCGTAGATATGTGGAGGAATACCAGTGGCGAAGGCGCC	719
Query	721	TTGCTGGACAGTGACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATAC	780
Sbjct	720		779
Query	781	CCTGGTAGTCCACGCCGTAAACGATGAGTGCTAGGTGTTGGGGGGACACACCCCAGTGCC	840
Sbjct	780	CCTGGTAGTCCACGCCGTAAACGATGAGTGCTAGGTGTTGGGGGGACACACCCCAGTGCC	839
Query	841	GAAGGAAACCCAATAAGCACTCCGCCTGGGGAGTACGGTCGCAAGACTGAAACTCAAAGG	900
Sbjct	840	GAAGGAAACCCAATAAGCACTCCGCCTGGGGAGTACGGTCGCAAGACTGAAACTCAAAGG	899
Query	901	AATTGACGGGGGCCCGCACAAGCAGTGGAGCATGTGGTTTAATTCGAAGCAACGCGAAGA	960
Sbjct	900	AATTGACGGGGCCCGCACAAGCAGTGGAGCATGTGGTTTAATTCGAAGCAACGCGAAGA	959
Query	961	ACCTTACCAGGGCTNGACATCCCTCTGACAGCCGCAGAGATGNGGNTTCCCTTCGGGGCA	1020
Sbjct.	960	ACCTTACCAGGGCTTGACATCCCTCTGACCGGTGCAGAGATGTACCTTCCCTTCGGGGCA	1019
Query	1021	GAGGAGACAGGTGGTGCATGGTTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCC	1080